

as of 23 Dec 68

BLACK SHIELD CHECKLIST

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Mission BX6845 Mission Date 20 JAN '68 H-hour 2005 1205 L-hour 0705 1605

Duty Hours	APT Picture Schedule		
	Sat	Acq T	Avlb T Coverage
107-21 L; 2005-18 L	E6	0947	1007 RODN
1 - L; 1 - L			
106-11 L; 19121-3/11 L	E6	1141	1201 TARGET
19121-24 L; 20100-21 L			
OFF			
1 - L; 1 - L			
20100-11 L; 1 - L			
Standby period Contact			
1 - L			

H-Minus	Action	SOP	Rspbl Indiv	Time Due (Z)	Done (L)	Intls
-27:00	Start this checklist	B-3	C	2120	0620	0922 JY
-26:00	Arrange work schedule	B-4	A	2220	0730	JY
-25:00	Determine APT picture schedule for mission day	B-10	C	2220	0940	JY
-23:30	Attend Commander's Briefing	B-1	A	0050	0950	JY
-23:00	Receive R-232 (Preliminary Operational Data)	B-1	A	0120	1020	0917 JY
Vrbl	Receive Wx Scout call signs (Byeman Message)	B-22	A	Vrbl	Vrbl	1914 JY
	Determine TTFC preliminary briefing schedule	B-2	C	0100	1000	1000 JY
	Prepare planning forecast & briefing slides for TTFC	B-2	C	N/A		
	Give preliminary briefing to <u>N/A</u> crews	B-2	A	N/A		
	Give preliminary briefing to <u>N/A</u> crews	B-2	A	N/A		
	Get TTFC mission briefing times for this checklist	B-2	A		1600	JY
-21:00	Receive R-233 (Mission Weather Data)	B-6	A	1220	1233	JH
-21:00	Receive R-236A (Terminal Forecasts)	B-5	A	1220	1233	JH
-20:00	Prepare briefing acetate on wall map	B-7	A	1320	1400	JY
Vrbl	Receive R-233B (Composite Route Data via data link)	B-6	A or B	Vrbl	Vrbl	
-17:30	Receive R-233 Amnd (Mission Weather Data update)	B-6	B	1520	1435	JY
-17:15	Receive R-236B (Terminal Forecasts update)	B-5	B	1535	1435	JY
-17:00	Receive Primary Alternates & Missed AR Bases	B-21	B	7	1020	0929 JY
-17:00	Give initial briefing to pilots & operations staff	B-7	B	120	1620	1620 JY
	TAKE OFF TIME CHANGE SEE []			7006		25X1
-15:00	Receive R-237 (Tanker Mission Weather Data)	B-9	B	1205	2105	1914 JY
-14:00	Prepare route winds slide & ready others for TTFC	B-24	B	1305	2205	
	Turn on TTYs needed for monitoring & plotting	B-12	X	1200	2100	1400 JY
	Receive R-234 (Final Operational Data)	B-8	B	1400	2300	2310 JY
-11:00	Prepare RODN & top-off AR forecasts	B-5	B	1605	0105	0030 JY

Cancellation/Postponement Data: Time 201023721137L Reason WX

Notify personnel as applicable:

BLACK SHIELD CHECKLIST
(as of 23 Dec 1967)Mission BX6845
Msn Date 20 JAN '68H-hr 1 Z L ATD L Page 2 of 2
L-hr 1 Z L ATA L

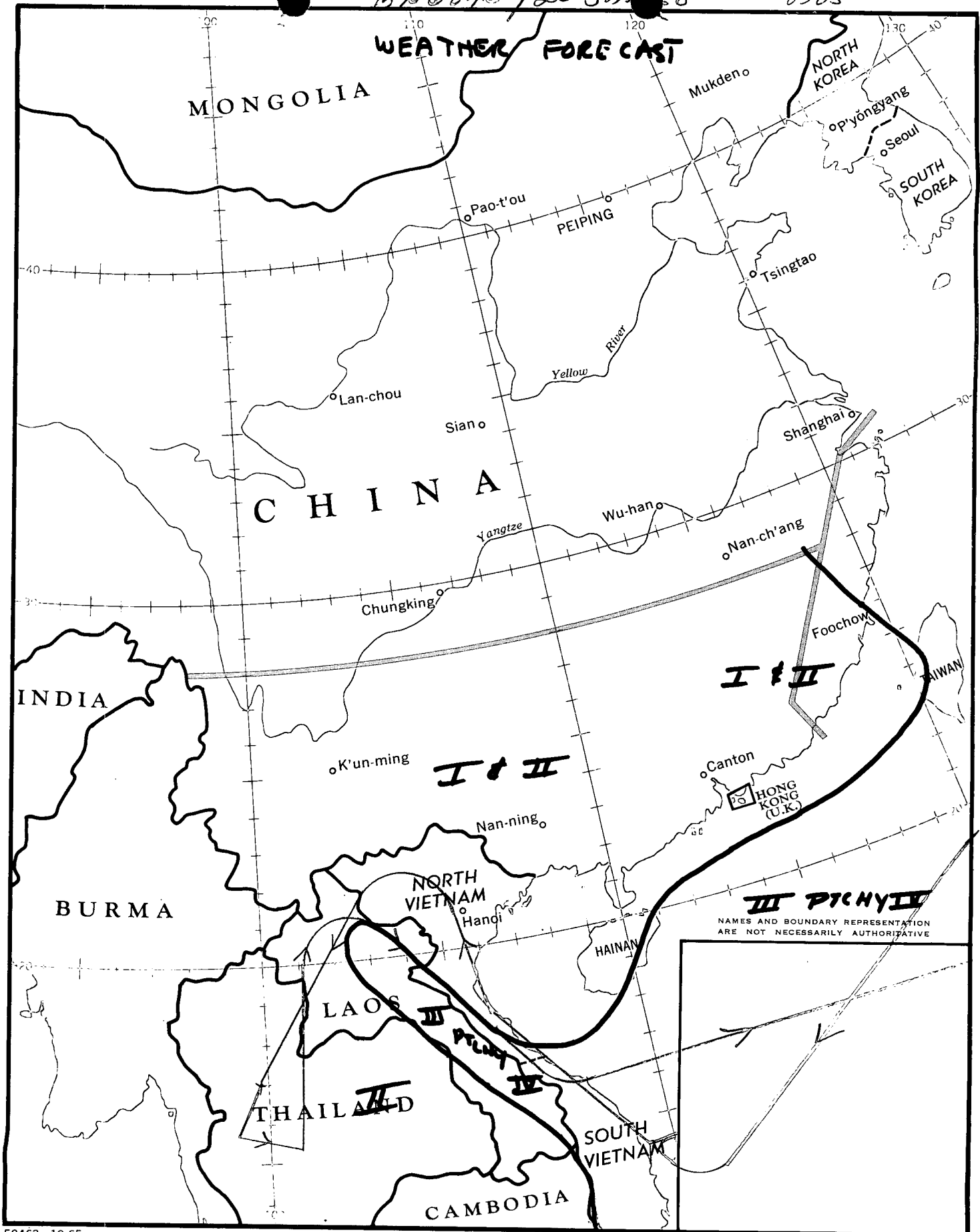
H-Minus	Action	SOP	Rspbl Indiv	Time Due (Z) (L)	Done (L)	Intls
-10:00	Send R-236C [Terminals & Top-Off AR Forecasts]	B-5	B	1705 0205	0140	<i>RAH</i>
-9:00	Give R-86 input [Wx effect on launch] to Msn Coord	B-23	B	1805 0305	2305	<i>RAH</i>
-9:00	Receive R-235 [Go/No Go Weather Forecasts]	B-11	B	1805 0305	2335	<i>RAH</i>
-8:30	Prepare met watch log forms for use in CP	B-12	Z	1835 0335	0335	
-8:30	Complete slides & prepare flimsy masters for TTFC	B-24	B	1835 0335	0430	<i>RAH</i>
	Plot 1200Z RODN & AR vicinity RAOBs	B-12	Z	1800 0300	0235	
	Plot R-233B & any pertinent 30mb data on map for festr	B-12	Z	1900 0400		
-8:00	Send R-241 [Hazardous Wx Advisory] if needed; thru L-hr	B-16	A,B,C	1905 0405		
-7:30	Appraise TTFC slides & flimsy masters; run off copies	B-24	C	1935 0435	0500	<i>RAH</i>
	Give TTFC mission briefing & 175 data to: <u> </u> (Top-Off AR wx scout & spare) <u> </u> AR	B-24	C	2140 0640	0640	<i>RAH</i> 25X1
	(1st cell, distant AR) <u> </u> AR	B-24	C	<u> </u>		
	(2nd cell, distant AR) <u> </u> AR	B-24	C	2140 0640	0640	<i>RAH</i> 25
	(Top-Off primary) <u> </u> AR	B-24	C	2355 0855	0855	<i>RAH</i> 25
	(Other AR, strip alert, etc.) <u> </u>	B-24	C	N/A N/A		
	<u>UDORN 80M 040/12 -57°C</u>					
-5:00	Prepare RODN & Top-Off AR forecasts	B-5	C	2205 0705	0705	<i>JY</i>
-4:00	Send R-236D [Terminals & Top-Off AR Forecasts]	B-5	C	2305 0805	0735	<i>RAH</i>
-4:00	Send R-243 [Met Watch Observations]	B-18	Z	2305 0805	0805	<i>RAH</i>
-3:45	Plot 1800Z RODN & AR RAOBs, temp dev, 30mb data on map	B-12	Z	2320 0820	0730	<i>RAH</i>
-3:45	Appraise late data, PIREPs; complete wall map overlay	B-20	A	2320 0820	0820	<i>JY</i>
-3:40	Take overlay, temp dev, msn folder, etc. to brfg room	B-20	A	2325 0825	0825	<i>JY</i>
-3:30	Brief pilots & operations staff	B-20	A	2335 0835	0835	<i>JY</i>
-3:00	Receive R-235 Amnd [Go/No Go Weather Forecasts]	B-11	A	0005 0905	0820	<i>JY</i>
-2:30	Begin met watch log; post AR board & color tags in CP	B-12	Z	0035 0935	0935	<i>JY</i>
-2:30	Get letdown plates at briefing, add wx, give to DCOM	B-14	A	0035 0935	0925	<i>JY</i>
-2:00	Receive & post R-240s [Wx Scout Reports] (bad news only)	B-22	A	0105 1005		
Vrb1	Receive APT pictures; deliver to CP for appraisal	B-10	C	0300 1200 ASAP ASAP		
-1:10	Rebrief pilots if necessary	B-20	A	0155 1055	N/A	
-1:00	Begin met watch in CP	B-13	A	1205 1105	1100	<i>JY</i>
Vrb1	Discuss APT picture with Hq SWO (HY-2, psbl <u> </u>)	B-10	A	CANX	1237	<i>JY</i> 25
H+0:30	Prepare debriefing form (draw route, enter data, etc.)	B-15	A	0335 1235		

L+0:15	Return materials from CP to weather station	B-13	X			
L+0:15	Complete debriefing form entries (landing ob, times)	B-15	A			
L+0:45	Attend pilot debriefing	B-15	A			
ASAP	Coordinate R-118 input with DCOM after debriefing	B-15	A	ASAP	ASAP	
	Clean briefing overlays, put weather station in order	B-12	X	1100	2000	

Leave completed checklist, debriefing form, met watch log, and all other material pertaining to the mission in the mission folder. After checking for completeness, put the folder in a manila envelope marked "BX68nn Wx File" and file in safe. When no longer needed for referral, turn over to Intelligence for storage.

BX 6845 / 20 JAN 68

0305



FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046
 SUIT # -3
 OUTER GARMENT W/FLOAT GEAR 3
 HELMET # -2
 GLOVES # -3
 BOOTS C/T

FLIGHT DATE 20 Jan 68
 DON 1105
 DOFF 1130
 TIME IN SUIT CANX
 TECHNICIAN

25X1

PRESS-TO-TESTPRE-FLIGHTSUBJECT TESTPOSTFLIGHTSYSTEM #1

Max Pressure	<u>118</u>	<u>116</u>	<u>118</u>
Differential	<u>1.5</u>	<u>1.5</u>	<u>1.4</u>
Leak Rate	<u>950</u>	<u>400</u>	<u>500</u>

SYSTEM #2

Max Pressure	<u>115</u>	<u>116</u>	<u>118</u>
Differential	<u>1.5</u>	<u>1.5</u>	<u>1.4</u>
Leak Rate	<u>600</u>	<u>500</u>	<u>550</u>
Unpress Leak Rate	<u>600</u>	<u>400</u>	<u>400</u>
Face Heat	<u>OR</u>		
Commo and Cord	<u>OR</u>		
Pencils			
Knife			
Controller Number			
Packet			
Grease Zippers			
Check Location of CO ₂			
Pressure Tap Screws			

PRESSURE SUIT HOOK-UP CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Foot rest guards over seat foot rests.
4. ✓ Communications secured and functioning.
5. ✓ Face heat ON (LOW).
6. ✓ Oxygen hoses secured in QD.
7. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
8. ✓ Kit adjusted and surplus stowed.
9. ✓ Two (2) bailout hoses secured.
10. ✓ Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ✓ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ✓ Emergency oxygen lanyard secured and pin removed.
13. ✓ Green apple secured.
14. Red knob secured, guard removed.
15. Manual over-ride handle secured.
16. Two (2) Rocket-Jet releases secured.
17. Press-to-test both O2 Systems, (LOW pressure-#1 Sys _____ #2 Sys _____).
18. Check face heat.
19. Re-adjust lap belt.
20. Kit lanyard secured to D-Ring, under Lap Belt.
- ✓ 21. Parachute beacon; AUTOMATIC (), UNSNAPPED (X), SNAPPED (). *CAN X*
22. Departing LOX quantity, #1 System _____ #2 System _____ TIME *11 4*.
23. Returning LOX quantity, #1 System _____ #2 System _____ TIME _____.

SUBJECT

1046

AIRCRAFT NUMBER

131
727

TECHNICIAN

[Redacted]

DATE OF FLIGHT

20 JAN 68

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

- ✓1. Ripcord pins seated (main and first stage).
- ✓2. Check power cable linkage.
- ✓3. Pack opening elastics secured.
- ✓4. First stage jettison mated and pins secured.
- ✓5. Two (2) rocket jet units secured.
- ✓6. Manual over ride handle secured.
- ✓7. Green apple secured.
- ✓8. Red knob secured, guard installed.
- ✓9. Bailout hoses adjusted for HIGH flight.
- ✓10. Bailout hose connectors operating.
- ✓11. Bailout hose safety clip lanyard checked.
- ✓12. Harness adjusted for HIGH flight.
- ✓13. Automatic openers - triggered and reset.
- ✓14. Aneroids (sea level to 7500').
- ✓15. Bailout cylinder pins secured.
- ✓16. Bailout cylinder pressure #1 1800+ #2 1800+.
- ✓17. Communication cord secured to chute.
- ✓18. Visual inspection completed.
- ✓19. Faceheat battery pack checked.

SURVIVAL KIT:

- ✓1. Yellow handle secured.
- ✓2. Trigger clearance.
- ✓3. Kit disconnects secured.
- ✓4. Lid secured.
- ✓5. Visual condition.

S.H. #5
L.P. #3

INSTALLATION:

- ✓1. Shoulder harness installed.
- ✓2. Vent hose secured at disconnect.
- ✓3. Kit secured to chute, loose.
- ✓4. Emergency oxygen lanyard secured to chute with pin installed.
- ✓5. Communication cord secured at disconnect.
- ✓6. Vent hose secured to chute.
- ✓7. Pin secured in QD and safetied.
- ✓8. Oxygen system low pressure #1 60/70 #2 60/70.
- ✓9. Pip pin in "D" ring.
- ✓10. Stirrup cables extended and operating freely.
- ✓11. Foot rest guards over seat foot rest.

SUBJECT# 1046 AIRCRAFT # 127 PARACHUTE # 106 SEAT KIT # 52

TYPE CUSHION S/B DATE 19 NOV 68 VENT HOSE # 76 TECHNICIAN

25X1